

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0108 River Farms

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	04/20/2015 04/20/2015	Jai Lor

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD0108_01_s _ 2013_5				
Action/Comments					
Inspector Comments: RD 108 has levee manuals.					

No Photos

LM Start		Rating **	A	Issue No.	7
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD0108_01_s _ 2013_7				
Action/Comments					
Inspector Comments: RD 108 maintains a stockpile of flood response materials.					

No Photos

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD0108_01_s _ 2013_9				
Action/Comments					
Inspector Comments: RD 108 has written response plans and regular flood response training.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Colusa Basin Drain	Left	20.64	04/20/2015 04/20/2015	Jai Lor

LM Start	0.09	Rating **	M	Issue No.	17
LM End	18.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.823146 °	39.012007 °
				-121.797630 °	-121.979559 °
DWR ID	DWR_RD0108_01_s_2015_17				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : SP_2015_RD0108_203_17_20150421_00010.jpg



View of the vegetation on the water ward side of the levee looking upstream. Spring 2015.

LM Start	0.10	Rating **	M	Issue No.	18
LM End	18.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.823147 °	39.012007 °
				-121.797630 °	-121.979559 °
DWR ID	DWR_RD0108_01_s_2015_18				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	9.29	Rating **	A/W	Issue No.	279
LM End	9.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.897452 °	38.897452 °
				-121.914680 °	-121.914680 °
DWR ID	DWR_RD0108_01_f_2013_279				
Action/Comments					
Repair slope instability.					

Photo 1 of 2 : SP_2015_RD0108_203_279_20150401_00007.jpg



The cracking runs in a horseshoe pattern on the levee slope. Fall 2013

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	20.64	04/20/2015 04/20/2015	Jai Lor

LM Start	9.29	Rating **	A/W	Issue No.	279 (cont)	
LM End	9.29	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.897452 °	38.897452 °	
				-121.914680 °	-121.914680 °	
DWR ID	DWR_RD0108_01_f_2013_279					
Action/Comments						
Repair slope instability.						

Photo 2 of 2 : SP_2015_RD0108_203_279_20150401_00008.jpg



Slope stability with cracking 1-2 inches open and 12 inches deep. The district is monitoring the site. Fall 2013

LM Start	14.49	Rating **	M	Issue No.	12
LM End	14.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.967243 °	38.967243 °
				-121.923407 °	-121.923407 °
DWR ID	DWR_RD0108_01_s_2014_12				
Action/Comments					
Schedule repair of subsidence prior to the next inspection.					

Photo 1 of 1 : SP_2015_RD0108_203_12_20150401_00006.jpg



Cracking along the shoulder of the crown. Some slope instability has occurred. Spring 2014

LM Start	19.15	Rating **	M	Issue No.	19
LM End	19.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.015634 °	39.015634 °
				-121.983757 °	-121.983757 °
DWR ID	DWR_RD0108_01_s_2015_19				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

* Location		** Rating		+ Issue Type	
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WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
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Unit No. 01 Colusa Basin Drain	Left	20.64	04/20/2015 04/20/2015	Jai Lor

LM Start	19.27	Rating **	M	Issue No.	3
LM End	19.35	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			39.016727 °	39.017516 °
				-121.985411 °	-121.986374 °
DWR ID	DWR_RD0108_01_f_2014_3				
Action/Comments					
Inspector Comments: 2011 - Toe scour at the bottom of a steep bank, large sections of the toe are sliding down. Erosion may be due to the upstream bend. 2013: Site is part of the extended inventory, last inspected 2011. [2013 Site ID: CBD_19-2_L]					

No Photos

LM Start	19.31	Rating **	M	Issue No.	20
LM End	20.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.017271 °	39.033902 °
				-121.985743 °	-121.993271 °
DWR ID	DWR_RD0108_01_s_2015_20				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	19.32	Rating **	M	Issue No.	21
LM End	20.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.017389 °	39.031521 °
				-121.985891 °	-121.989919 °
DWR ID	DWR_RD0108_01_s_2015_21				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Castle Properties	Right	0.28	04/20/2015 04/20/2015	Jai Lor

LM Start	0.00	Rating **	M	Issue No.	2
LM End	0.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.796230 °	38.798919 °
				-121.727951 °	-121.724733 °
DWR ID	DWR_RD0108_02_s _ 2015_2				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.09	Rating **	M	Issue No.	1
LM End	0.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.797091 °	38.799138 °
				-121.726729 °	-121.724456 °
DWR ID	DWR_RD0108_02_s _ 2015_1				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : SP_2015_RD0108_590_1_20150421_00003.jpg



View of the vegetation on the landward side of the levee looking downstream. Spring 2015.

LM Start	0.17	Rating **	A/W	Issue No.	5
LM End	0.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.797922 °	38.797922 °
				-121.725865 °	-121.725865 °
DWR ID	DWR_RD0108_02_s _ 2015_5				
Action/Comments					
Monitor and have inspected by geotechnical engineer.					

Photo 1 of 1 : SP_2015_RD0108_590_5_20150421_00004.jpg



View of the crack on the landward side of the levee looking downstream. Spring 2015.

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